EnPRO 497-352

Battery-Powered Transport for Beach Launched Boats

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Problem

- Transporting boats across sand beaches is physically challenging
- Current approach requires several strong adults to move the boat from storage to the water
Proposed Solution

- Work together towards an innovative catamaran transporter design efficient enough to be operated by one individual
- Dramatically reduce physical labor
Objectives

• Design, build and test a prototype that permits single-handed operation
• Investigate the business potential of the product
• Construct an informational website
Major Tasks

• **Engineering Team:**
  Cat Kart Design, Calculations, Prototype Construction

• **Model/Media Production Team:**
  Logo Design, Project Plan, Scaled Model, Computer Drawings, Promotional Materials, Video Production, Website Design

• **Business Team:**
  General Market Research, Surveys/Interviews, Find Target Consumers, Develop Marketing Materials, Pricing
Progress To Date

• Completed Design of Prototype
• Selected Materials
• Designed Logo
• Launched Beta Website
• Created Survey/Interview
Obstacles Encountered

Engineering Team
• Problem: Selection and attachment of the motor to the Cat Kart

Business Team
• Problem: Availability of satisfactory secondary data
  Access to the survey audience
  Availability of information on catamarans
Potential Problems

- Staying within budget
- Overseas delivery of motor
- Poor weather conditions
- Lack of response to survey
Request for Help

- Access to Tools & Machinery
  - Cutting Torch
  - Drill Press